

Fig. 1 (Prior Art)

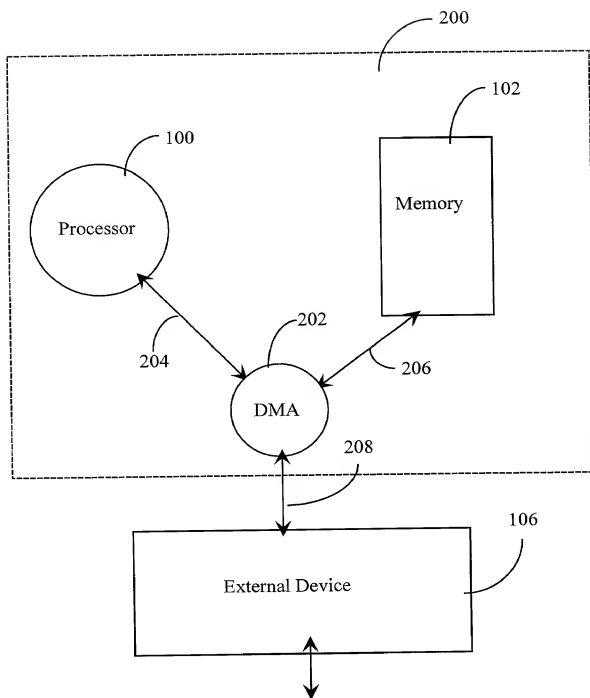


Fig. 2 (Prior Art)

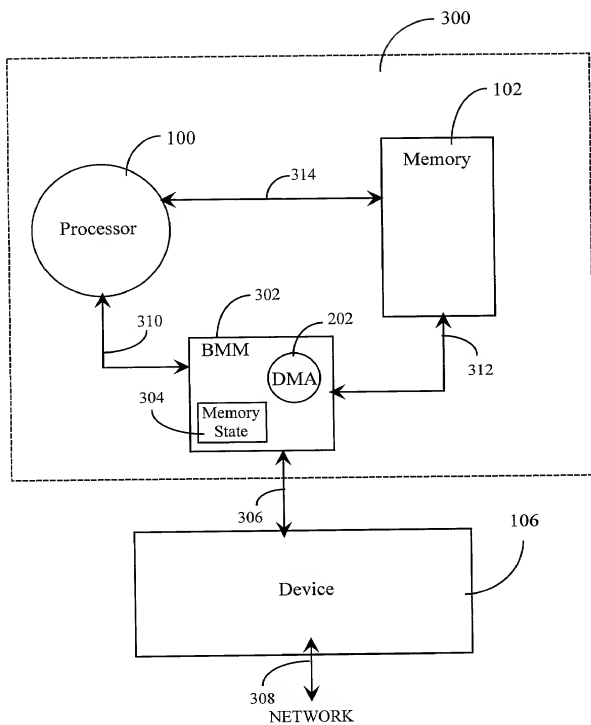


Fig. 3

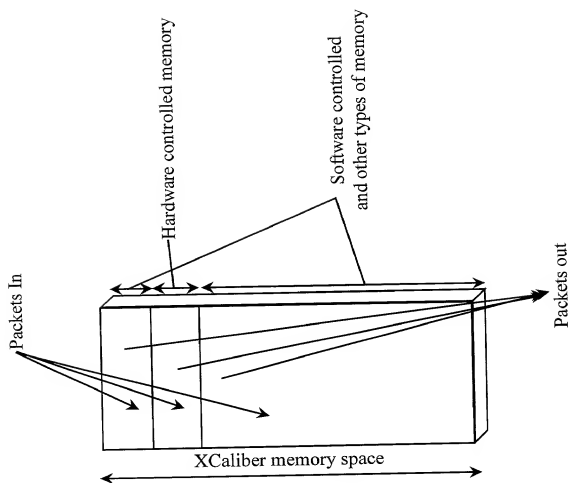
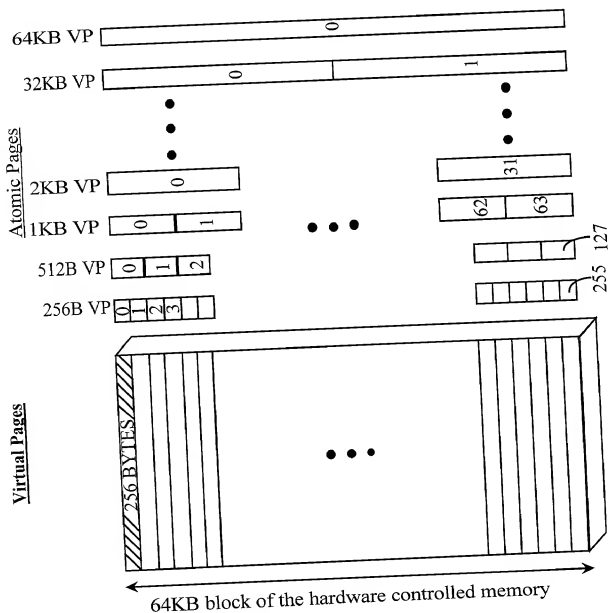


Fig. 4



Allocation algorithm implementation

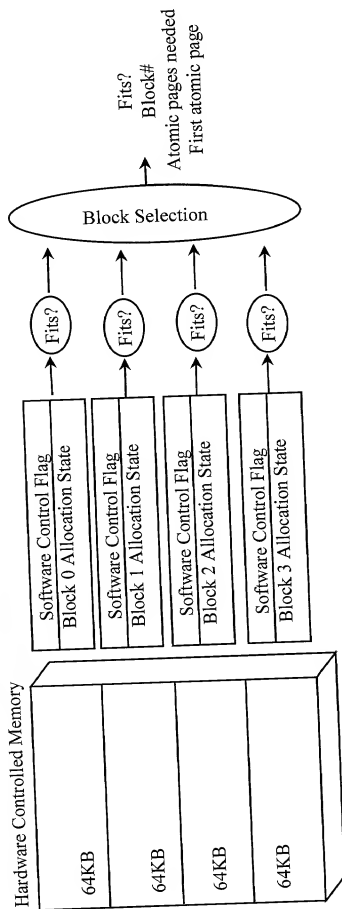


Fig. 6a

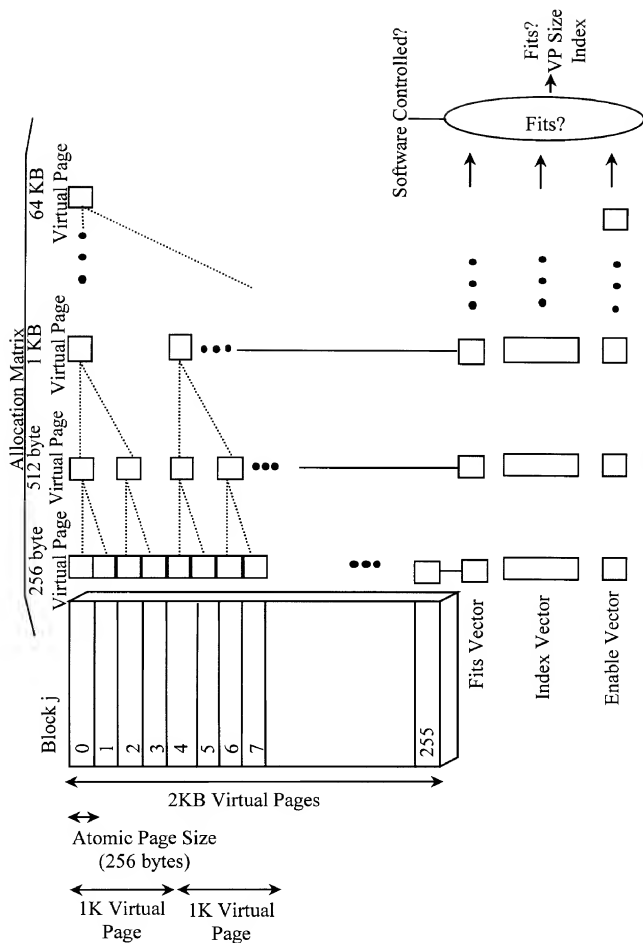


Fig. 6b

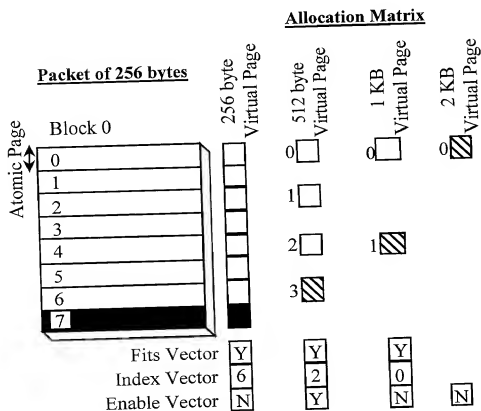


Fig. 7a

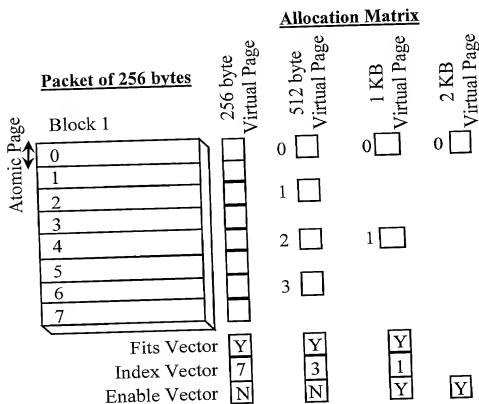


Fig. 7b

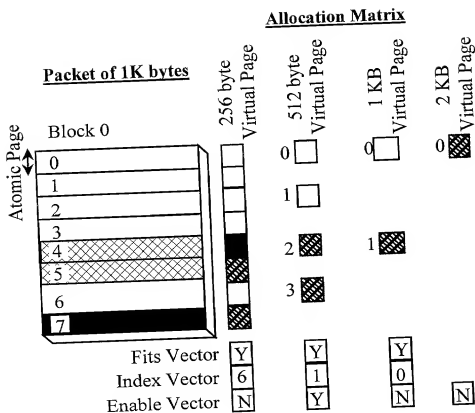


Fig. 8a

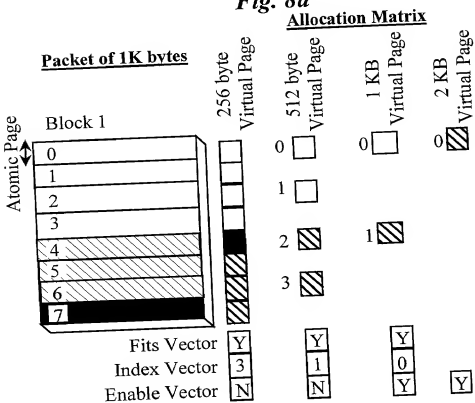


Fig. 8b

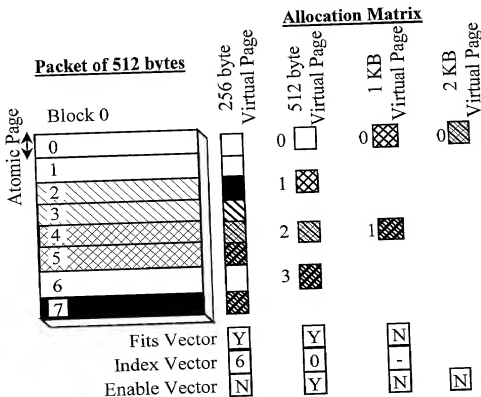


Fig. 8c

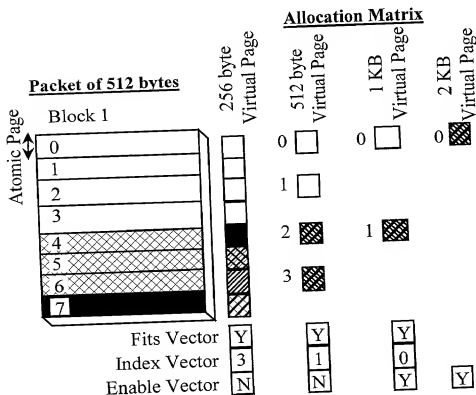


Fig. 8d

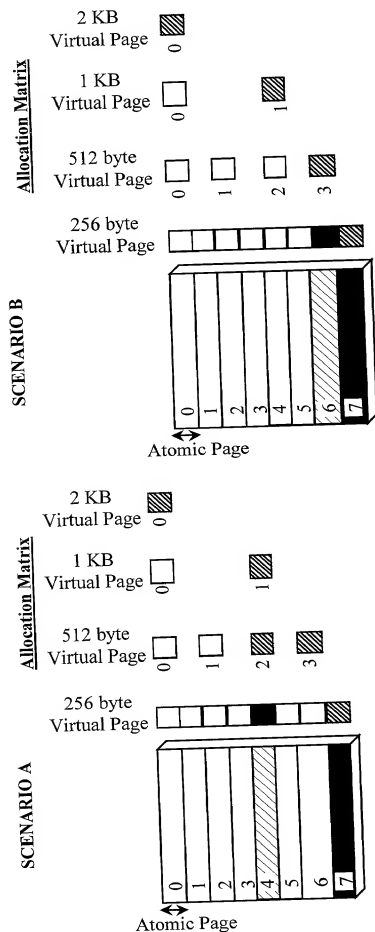


Fig. 9

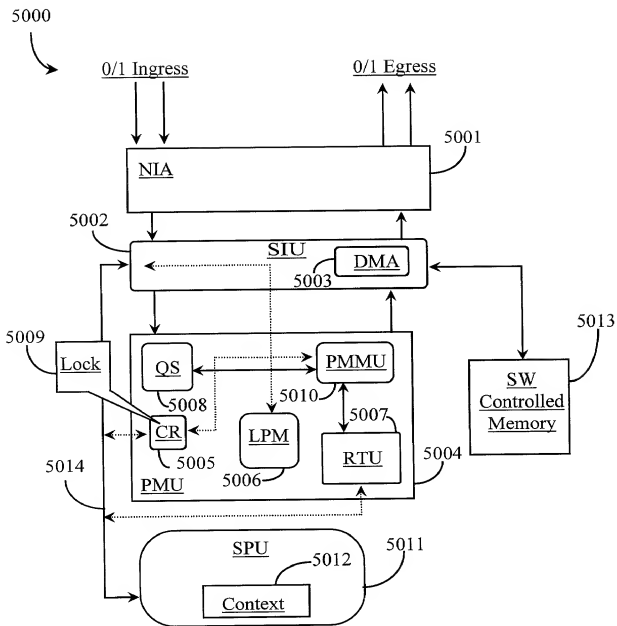


Fig. 10

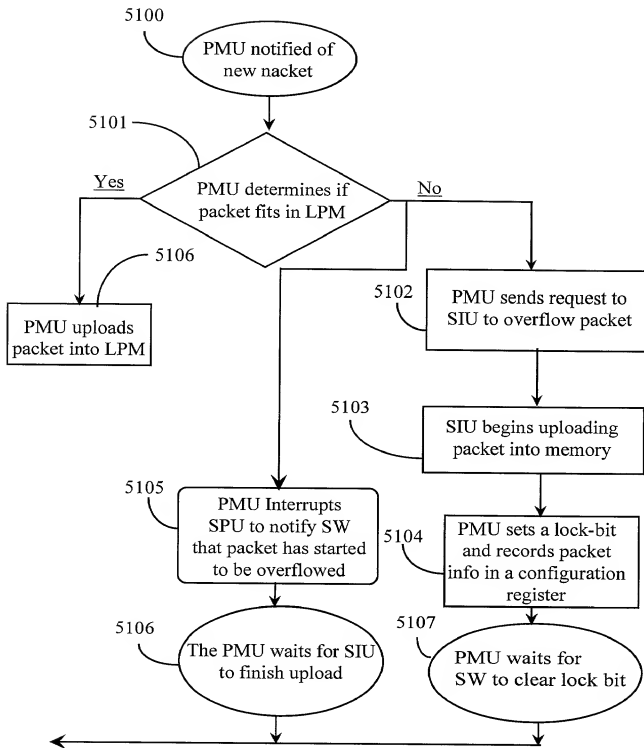


Fig. 11

Overflow Retrieve Operation

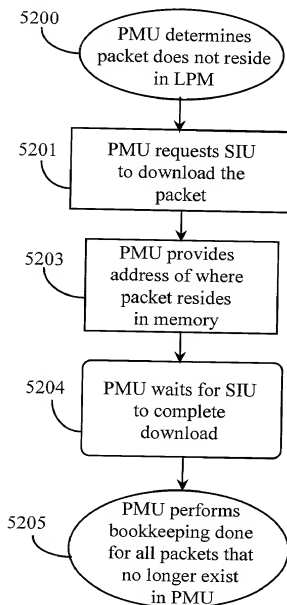


Fig. 12